Performance Data Sheet

AJB2444ZXD

General Information

Model	AJB2444ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	2730	2440	2150	1870	1580	1300	1010
	Watts	886	865	843	821	798	775	752
	Amps	4.88	4.74	4.61	4.47	4.33	4.19	4.04
	Lb/h	47.4	44.5	41.6	38.8	36.0	33.2	30.5
-35	Btu/h	3340	2980	2620	2260	1910	1550	1200
	Watts	959	945	931	916	901	885	868
	Amps	5.13	5.03	4.93	4.82	4.72	4.61	4.51
	Lb/h	54.5	51.4	48.4	45.3	42.3	39.3	36.3
-30	Btu/h	4010	3580	3150	2720	2290	1870	1440
	Watts	1030	1030	1020	1010	1000	995	986
	Amps	5.38	5.32	5.25	5.19	5.12	5.05	4.98
	Lb/h	63.8	60.4	57.1	53.8	50.6	47.3	44.0
-25	Btu/h	4740	4240	3740	3240	2740	2240	1750
	Watts	1110	1110	1110	1110	1110	1110	1100
	Amps	5.64	5.61	5.59	5.56	5.53	5.49	5.46
	Lb/h	75.0	71.4	67.9	64.3	60.7	57.2	53.6
-20	Btu/h	5530	4960	4390	3820	3250	2680	2110
	Watts	1180	1190	1200	1200	1210	1220	1220
	Amps	5.91	5.92	5.93	5.94	5.94	5.95	5.95
	Lb/h	88.2	84.3	80.4	76.6	72.7	68.8	64.9
-15	Btu/h	6390	5740	5100	4460	3820	3170	2530
	Watts	1260	1270	1290	1300	1310	1330	1340
	Amps	6.19	6.24	6.28	6.32	6.37	6.41	6.45
	Lb/h	103	99.0	94.8	90.6	86.4	82.2	77.9
-10	Btu/h	7300	6580	5870	5150	4440	3730	3010
	Watts	1330	1350	1380	1400	1420	1440	1460
	Amps	6.48	6.56	6.64	6.72	6.80	6.88	6.95
	Lb/h	120	115	111	106	102	97.1	92.5
-5	Btu/h	8270	7480	6700	5910	5120	4340	3550
	Watts	1410	1440	1470	1500	1530	1550	1580
	Amps	6.77	6.89	7.01	7.13	7.24	7.36	7.47
	Lb/h	138	133	129	124	119	114	109

0	Btu/h	9300	8440	7580	6720	5860	5000	4150
	Watts	1480	1520	1560	1600	1630	1670	1700
	Amps	7.08	7.23	7.39	7.54	7.70	7.85	8.00
	Lb/h	158	153	148	142	137	131	126
5	Btu/h	10400	9460	8520	7590	6660	5730	4800
	Watts	1560	1610	1650	1700	1740	1780	1830
	Amps	7.39	7.59	7.78	7.97	8.16	8.34	8.53
	Lb/h	180	174	168	162	157	151	145
10	Btu/h	11500	10500	9520	8520	7510	6510	5500
	Watts	1640	1690	1740	1800	1850	1900	1950
	Amps	7.72	7.95	8.17	8.40	8.63	8.85	9.08
	Lb/h	203	196	190	184	177	171	165

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.619062E+04	1.178066E+03	5.824367E+00	2.017017E+02
C2	3.273917E+02	3.617495E+00	3.233912E-03	4.806947E+00
C3	-8.609637E+01	3.780956E+00	1.558604E-02	-5.442367E-01
C4	1.193704E+00	1.286693E-02	1.688661E-04	3.387137E-02
C5	-1.441080E+00	1.473716E-01	7.304522E-04	-7.986385E-03
C6	-1.073920E-03	1.377001E-03	3.483982E-06	7.156311E-05
C7	-8.552645E-04	2.665003E-05	2.134557E-07	-1.206448E-04
C8	-5.193939E-04	5.515397E-06	1.637722E-07	-5.580816E-05
C9	-5.787045E-05	2.479213E-06	3.371226E-08	-3.293367E-06
C10	1.082171E-05	-1.131798E-05	-2.879801E-08	-3.184566E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature